

Abstract of the Disclosure

A base transceiver station in a mobile communication system, includes a GPS time frequency unit for outputting a
5 synchronized time which is received from at least one GPS
satellite and frequency information; a BTS main processing
unit for generating a control command to control one BTS; an
ATM interface unit for interfacing with an asynchronous mode
communication device; a packet routing unit for providing
10 routing information used for setting path of packet data; a
multi-rate channel unit for processing an inter-channel
communication, each channel having a different data rate; a
signal transformation unit for transforming and
modulation/demodulation of an input signal; and a wireless
15 unit for wireless communication with a mobile station.